MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1953

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

DECEMBER 1953
METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	70.1	68.6	68.9	69.2	15.5	10.7	12.2	14.4	11.8	12.8
2	68.6	66.7	67.4	67.6	16.8	11.7	13.3	15.7	15.1	14.7
3	68.7	67.3	68.1	68.0	17.1	13.0	13.5	16.7	15.6	15.3
4	69.6	68.9	69.3	69.3	17.5	12.5	15.2	17.2	14.1	15.5
5	70.4	69.3	69.9	69.9	17.2	12.5	14.4	16.7	14.3	15.1
6	69.3	68.0	68.4	68.6	17.1	12.8	14.4	16.7	14.3	15.1
7	68.4	66.9	67.3	67.5	17.2	13.1	13.9	16.6	14.7	15.1
8	67.1	66.3	66.9	66.8	17.7	13.6	14.9	17.2	15.0	15.7
9	68.2	67.1	67.9	67.7	14.2	10.4	13.9	13.8	12.1	13.3
10	69.5	68.5	68.9	69.0	15.3	10.8	12.4	14.7	12.2	13.1
11	67.8	66.5	66.5	66.9	16.0	11.1	12.6	14.9	12.4	13.3
12	66.1	65.3	65.7	65.7	15.3	10.8	12.1	14.2	12.2	12.8
13	65.3	64.4	64.7	64.8	15.7	11.3	12.5	14.6	13.3	13.5
14	63.9	62.3	62.6	62.9	14.6	10.8	12.4	14.4	12.2	13.0
15	63.4	63.5	65.3	64.1	14.6	8.3	13.1	14.2	12.2	13.2
16	66.8	65.7	65.6	66.0	12.7	8.8	10.6	12.7	10.8	11.4
17	63.3	60.6	60.7	61.5	11.6	7.8	9.1	11.5	9.4	10.0
18	58.5	58.0	60.3	58.9	9.9	5.7	8.0	8.2	6.1	7.4
19	62.1	62.3	63.9	62.8	10.3	6.4	5.6	9.4	9.3	8.1
20	65.2	65.4	66.7	65.8	9.7	5.6	8.0	6.4	7.3	7.2
21	68.3	68.8	69.4	68.8	12.5	8.2	8.2	12.2	9.2	9.9
22	69.3	67.7	67.1	68.0	13.8	9.3	9.9	12.9	11.6	11.5
23	65.8	63.7	62.8	64.1	17.6	12.0	10.8	13.7	12.3	12.3
24	57.1	54.9	57.0	56.3	17.9	12.8	17.2	16.7	14.5	16.1
25	60.7	61.7	63.1	61.8	16.8	12.8	15.4	15.8	15.0	15.4
26	65.3	65.1	65.2	65.2	17.1	12.4	13.9	16.9	14.6	15.1
27	64.1	62.6	61.5	62.7	17.3	13.3	14.2	17.0	15.4	15.5
28	61.4	60.9	62.1	61.5	17.1	13.0	15.4	15.9	14.5	15.3
29	63.4	62.8	62.6	62.9	15.9	13.3	14.2	15.7	14.2	14.7
30	61.9	60.4	60.3	60.9	21.9	14.3	15.0	15.0	16.2	15.4
31	57.0	55.6	57.6	56.7	21.7	13.8	21.2	17.6	16.4	18.4
	65.37	64.38	64.96	64.90	15.66	11.06	12.82	14.50	12.85	13.39

Barometer, range for month 770.4 mm. — 754.9 mm.
„ 71-yr. average for month 763.23 mm.
Thermometer, range for month 21.9°C — 5.6°C
„ 71-yr. average for month 15.99°C
Rain total for month 128.78 mm.
„ 71-yrs average for month 185.45 mm.
„ Total, Sept. 1st. to end of month 361. 95mm.
„ 71-yrs. average. Sept. 1st. to end of month 374.27mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	8.3	10.1	9.6	9.3	58	62	73	64	9.1	164.0	
2	8.3	11.6	8.3	9.4	55	65	50	57	9.1	121.0	
3	7.4	12.1	10.6	10.0	48	64	61	58	9.2	198.0	
4	8.3	10.2	9.6	9.4	50	52	61	54	8.6	47.0	
5	9.6	11.6	9.6	10.3	58	60	60	59	9.4	97.0	
6	9.6	8.3	11.0	9.6	60	43	68	57	8.8	16.0	
7	8.7	12.1	11.0	10.6	56	64	68	63	8.9	93.0	
8	11.1	13.2	11.5	11.9	65	66	67	66	8.5	475.0	
9	5.7	7.0	7.4	6.7	38	43	54	45	9.1	417.0	
10	6.2	7.4	7.4	7.0	45	44	52	47	8.9	132.0	
11	6.6	8.3	7.0	7.3	45	49	48	47	4.9	224.0	
12	10.1	10.5	8.7	9.8	71	69	61	67	4.3	190.0	0.50
13	7.4	8.3	7.8	7.8	53	51	52	52	4.6	153.0	
14	5.4	9.2	7.9	7.5	39	56	56	50	0.0	212.0	1.02
15	7.0	7.4	7.4	7.3	49	48	52	50	7.3	488.0	
16	9.2	10.1	7.9	9.1	73	68	65	69	3.8	233.0	14.73
17	10.5	11.9	11.0	11.1	94	87	92	91	0.2	401.0	27.44
18	9.7	9.1	9.7	9.5	94	91	97	94	0.3	523.0	38.61
19	8.7	5.6	6.0	6.8	95	47	49	64	2.1	703.0	3.55
20	7.7	7.8	7.7	7.7	74	85	75	78	3.1	418.0	7.37
21	8.5	8.7	7.6	8.3	77	63	66	69	6.8	286.0	2.54
22	6.3	7.4	6.2	6.6	53	51	45	50	1.0	89.0	
23	11.4	11.5	11.4	11.4	90	71	80	80	0.9	201.0	1.52
24	9.3	9.7	13.4	10.8	45	52	82	60	0.0	822.0	1.78
25	13.5	14.0	12.0	13.2	78	80	70	76	1.5	174.0	2.03
26	10.5	12.6	13.4	12.2	69	69	80	73	1.6	150.0	
27	12.4	14.8	14.0	13.7	78	74	81	78	2.2	187.0	
28	14.5	14.1	13.9	14.2	83	77	86	82	8.5	272.0	1.78
29	12.4	13.5	13.9	13.3	78	75	85	79	5.1	23.0	
30	14.5	16.0	17.2	15.9	84	92	94	90	0 1	216.0	2.03
31	14.3	18.1	16.8	16.4	57	89	88	78	0.0	607.0	23.88
	9.45	10.72	10.22	10.13	64.9	64.7	68.3	66.0	4.77	268.77	4.15

Height of Barometer above sea level : 33.7 meters.
" " Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0.56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	1cu	0	0	0.3	2e	3n	1sw	light	
2	0	0	0	0.0	2s	2ne	3ne	,,	
3	1cu	0	0	0.3	2e	1n	3ne	,,	
4	0	0	0	0.0	1se	2nw	1nw	,,	
5	0	0	0	0.0	1se	2n	2w	,,	
6	0	1cu-ci	0	0.3	1e	1n	1sw	calm	D., p.m.
7	1cu	0	8st	3.0	1e	2ne	1sw	light	D., p.m.
8	1cu	4cu-st	0	1.7	2e	2n	2n	,,	D., p.m.
9	0	0	0	0.0	4ne	1ne	2ne	slight	
10	0	4ci-st	0	1.3	2se	1w	1ne	light	
11	10ci	10ci-st	2cu	7.3	2se	2ne	1ne	light	
12	10cu-ni	10ni	4cu-ni	8.0	2se	2nw	1sw	,,	
13	9cu-st	8st	9st	8.7	1se	1n	1ne	,,	
14	10st	10st	10cu-ni	10.0	1se	2nw	1nw	,,	
15	4cu-st	2st	4cu	3.3	3ne	3ne	2sw	,,	
16	9cu-ni	5cu-ni	5st	6.3	2s	1se	1s	light	
17	10ni	10cu-ni	10ni	10.0	2se	2s	2s	,,	
18	10ni	10ni	10ni	10.0	2e	3n	2s	slight	
19	10ni	6cu-ni	10cu-ni	8.7	4nw	3w	2n	,,	
20	10cu-ni	10ni	10cu-ni	10.0	4n	2w	1se	mod.	
21	9st-ni	6cu-st	1cu	5.3	2se	2nw	1se	light	
22	10st	10st	10st	10.0	1se	1sw	1sw	calm	
23	10st-ni	10st	10st	10.0	1ne	2ne	1nw	light	
24	10ni	10st-ni	9st-ni	9.7	3se	4sw	4sw	slight	Tr,.a. m.
25	10st	10cu-st	10st	10.0	2sw	1sw	1sw	,,	Tr., p.m.
26	10ci-st	9ci-st	4st	7.7	1se	2n	1ne	light	D., p.m.
27	10st	10st	10st	10.0	1ne	2ne	1ne	,,	D., a.m p.m.
28	9cu-st	5cu-ci	0	4.7	2sw	3n	1ne	slight	D., p.m.
29	9ci-st	10ci-st	0	6.3	1ne	1nw	1ne	light	D., a.m. p.m.
30	10st-ni	10ni	10st-ni	10.0	1sw	2e	1sw	,,	Tr., a.m.
31	10st-ni	10ni	10st-ni	10.0	2sw	2sw	1sw	,,	
	mean			5.90					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	1	5	6	12	2	4	0	1	0	31
14:30	9	7	1	1	1	4	3	5	0	31
20:30	2	10	0	2	3	10	1	3	0	31
Total	12	22	7	15	6	18	4	9	0	93

Number of days with rain 14, fog 0, thunderstorms 0, gale 0.
71 yr. av. number of days with rain during month 13.4